

CLAIMS

1. A master disc carrying specific information according to an array of ferromagnetic films on a base surface, [the master disc being used for recording a magnetized pattern corresponding to the array of the ferromagnetic films in a magnetic disc through application of a magnetic field with the master disc closely contacting the magnetic disc,] and provided on one principal plane with a radial land portion where the array of the ferromagnetic film is formed and a concave portion against the land portion, wherein the land portion and the concave portion are formed such that the land portion is joined with the surface of the magnetic disc while the concave portion is not contacted with the surface of the magnetic disc when the magnetic disc is overlapped on the principal plane, and a space surrounded by the surface of the magnetic disc and the concave portion is open to air at a peripheral end portion of the magnetic disc.
2. The master disc according to claim 1, wherein the land portion is formed to reach an area outside a position corresponding to the peripheral end portion of the magnetic disc when the magnetic disc is overlapped on the principal plane.
3. The master disc according to claim 1, wherein the land portion is formed to be inward of a position corresponding to the peripheral end portion of the magnetic disc when the magnetic disc is overlapped on the principal plane.
4. The master disc according to claim 1, wherein the land portion is formed to be outward of a position corresponding to an internal circumferential end portion of the magnetic disc when the magnetic disc is overlapped on the principal plane.
5. The master disc according to claim 1, wherein a diameter of the master disc is larger than that of the magnetic disc.
6. The master disc according to claim 1, wherein the difference in level between the land portion and the concave portion is in the range between 3 micrometers and 100 micrometers.

7. The master disc according to claim 1, wherein the difference in level between the land portion and the concave portion is in the range between 3 micrometers and 50 micrometers.

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8. The master disc according to claim 1, wherein, in the case where the magnetic disc is a 3.5 inch hard disc, an inner diameter of an area on the principal plane where the land portion is formed radially is in the range between 25.1mm and 28.0mm and an outer diameter of the area is in the range between 95.1mm and 97.0mm.

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9. The master disc according to claim 8 having an outer diameter in the range between 99.5mm and 100.0mm.

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10. A method for manufacturing a magnetic disc comprising: overlapping a master disc according to any one of claims 1 to 9 on a magnetic disc, applying a magnetic field while generating airflow in a space formed by the magnetic disc and the concave portion of the master disc by exhausting from a central side of the magnetic disc and performing a preformat recording of a magnetized pattern corresponding to the array of the ferromagnetic film of the master disc in the magnetic disc.

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